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File: DWPI

Nov 22, 2001

DERWENT-ACC-NO: 2002-247111

DERWENT-WEEK: 200230

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TITLE: Pigment discoloring inhibitor useful for pigment materials, e.g. turmeric, riboflavin, dunaliella carotene, red koji or annatto, comprises coffee bean extract as active ingredient

PATENT-ASSIGNEE:

ASSIGNEE

CODE

KURORO YG

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точо накко кк

TOHAN

PRIORITY-DATA: 2000JP-0143753 (May 16, 2000)

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PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES MAIN-IPC

JP 2001323263 A

November 22, 2001

007

C09K015/34

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP2001323263A

May 16, 2000

2000JP-0143753

INT-CL (IPC): $\underline{A23} \ \underline{L} \ \underline{1/272}; \ \underline{C09} \ \underline{K} \ \underline{15/34}$

ABSTRACTED-PUB-NO: JP2001323263A

BASIC-ABSTRACT:

NOVELTY - A pigment discoloring inhibitor (I) for pigment materials comprises coffee bean extract as the active ingredient.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a pigment discoloration prevention method.

USE - For preventing discoloration of pigments such as turmeric, riboflavin, Dunaliella carotene, red koji or <u>annatto</u>, used in beverages, foodstuff, pharmaceuticals and <u>cosmetics</u> industries, e.g. fragrance products.

ADVANTAGE - The coffee bean extract has superior discoloration preventing effect, to that of chlor-genic acid or other composite discoloration preventing agents. The agent is non-toxic, does not contain heavy metals and is safe. The agent can be incorporated in beverages (as it is water-soluble), and in foods alike.

DESCRIPTION OF DRAWING(S) - The figure shows graph of discoloration prevention effect of the agent on various pigments, with time. (Drawing includes non-English language text)

CHOSEN-DRAWING: Dwg.6/6

TITLE-TERMS: PIGMENT DISCOLOUR INHIBIT USEFUL PIGMENT MATERIAL TURMERIC RIBOFLAVIN DUNALIELLA CAROTENE RED KOJI COMPRISE COFFEE BEAN EXTRACT ACTIVE INGREDIENT

DERWENT-CLASS: B07 D13 D21 E24

CPI-CODES: B03-A; B03-C; B04-A08C; B04-A08D; B04-A10A; B04-A10F; B04-A10G; B04-B04M; B12-M03; B12-M05; B12-M06; B12-M07; B12-M11; B14-L06; B14-R01; D03-D; D03-H01P; D08-B11; E25-B; E25-E01; E25-F;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G036 G038 G039 G562 G599 H7 H725 M1 M126 M134 M210 M211 M240 M283 M316 M321 M333 M342 M415 M423 M430 M510 M520 M530 M542 M610 M782 M904 M905 M910 Q211 Q220 Q225 R021 R022 R023 R024 R032 R036 Specfic Compounds 01662K 01662M Registry Numbers 1662U

Chemical Indexing M4 *01*

Fragmentation Code

G036 G038 G039 G562 G599 H7 H725 M1 M126 M134 M210 M211 M240 M283 M316 M321 M333 M342 M415 M423 M430 M510 M520 M530 M542 M610 M782 M904 M905 M910 Q211 Q220 Q225 R021 R022 R023 R024 R032 R036 W003 W030 W314 W334 Specfic Compounds 01662K 01662M Registry Numbers 1662U

Chemical Indexing M2 *02*

Fragmentation Code

D011 D013 D023 E270 H1 H181 H2 H201 H4 H404 H484 H8 J5 J522 K0 L8 L812 L821 L833 L834 L9 L910 M210 M211 M240 M282 M315 M321 M332 M344 M383 M391 M412 M423 M430 M511 M520 M530 M540 M782 M904 M905 M910 Q211 Q220 Q225 R021 R022 R023 R024 R032 R036 Specfic Compounds O0503K O0503M 16015K 16015M Registry Numbers

Chemical Indexing M4 *02*

0503U

Fragmentation Code

D011 D013 D023 E270 H1 H181 H2 H201 H4 H404 H484 H8 J5 J522 K0 L8 L812 L821 L833 L834 L9 L910 M210 M211 M240 M282 M315 M321 M332 M344 M383 M391 M412 M423 M430 M511 M520 M530 M540 M782